

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------------|------------------|---------|------------------|
| L1 | 1604 | 318/439.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| L2 | 1 | 1 and (phase near3 excit\$6) and (phase near3 float\$6) and ((mask\$3 near3 (time or period)) with (detect\$6 near3 (ripple or parasitic or noise))) and ((bemf or (back adj emf)) with (zero adj2 cross\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| L3 | 1503 | 318/434.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| L4 | 5003 | 318/254.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| L5 | 2180 | 318/138.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| L6 | 0 | (3 or 4 or 5) and (phase near3 excit\$6) and (phase near3 float\$6) and ((mask\$3 near3 (time or period)) with (detect\$6 near3 (ripple or parasitic or noise))) and ((bemf or (back adj emf)) with (zero adj2 cross\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/01/08 15:28 |
| S1 | 87 | inverter and controller and switch\$ and (dynamic\$ near3 brak\$) and (dissipat\$ or exhaust\$) | USPAT | OR | OFF | 2006/01/19 17:17 |
| S2 | 7 | S1 and (step\$ near3 motor) | USPAT | OR | OFF | 2001/04/16 16:04 |
| S3 | 7 | S1 and (step\$ near3 motor) | USPAT | OR | OFF | 2001/04/16 16:05 |
| S4 | 8 | puzzle adj jigsaw | USPAT | OR | OFF | 2001/04/16 16:06 |
| S5 | 59 | (brushless adj4 motor) and (start\$6 or accelerat\$6) and ((back adj emf) or bemf) near3 detect\$6 and ((zero adj cross\$4) with winding) and (start\$6 with (time or period or interval)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/05/28 09:47 |
| S6 | 5 | S5 and (torque with (forward or backward)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 10:39 |

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| S7 | 17 | ("4169990" "4479078" "4510422" "4594536" "4603283" "4641066" "4678973" "4700116" "4743815" "4752724" "4814674" "4814676" "4922169" "4961038" "5017845" "5028852" "5151640").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/05/28 10:04 |
| S8 | 1462 | 318/439.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/19 17:17 |
| S9 | 2088 | 318/138.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/19 17:17 |
| S10 | 1393 | 318/434.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/19 17:18 |
| S11 | 0 | (S8 or S9 or S10) and (((back adj2 efm) or befm or (counter adj2 emf) or cemf) with ((maximum or predeterm\$5) adj start\$6 adj time)) and ((one adj phase) near3 shiift\$5) and ((two adj phase) near3 shift\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/19 17:30 |
| S12 | 62 | (brushless adj4 motor) and (start\$6 or accelerat\$6) and ((back adj emf) or bemf) near3 detect\$6 and ((zero adj cross\$4) with winding) and (start\$6 with (time or period or interval)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 10:39 |
| S13 | 2 | S12 and (torque with (forward or backward)) and (float\$3 near3 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 10:42 |
| S14 | 19 | S12 and ((zero adj cros\$6) with ((\$4excit\$6 or float\$3 or energiz\$3) near3 (winding or phase))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:02 |
| S15 | 1 | S14 and ((float\$3 near3 (winding or phase)) with (energ\$3 or excit\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:06 |
| S16 | 1462 | 318/439.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:05 |
| S17 | 1393 | 318/434.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:05 |

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| S18 | 2088 | 318/138.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:05 |
| S19 | 4743 | 318/254.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:06 |
| S20 | 6 | (S16 or S17 or S18 or S19) and ((float\$3 near3 (winding or phase)) with (energ\$3 or excit\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:06 |
| S21 | 5 | (S20 not S15) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:09 |
| S22 | 5 | S21 and ((time or period) with (phase or winding)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:09 |
| S23 | 3 | S21 and ((time or period) with ((excit\$8 or energ\$8) near6 (phase or winding))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/01/20 11:10 |
| S24 | 6601 | (bemf or (back adj emf) or cemf or (counter adj emf)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 14:57 |
| S25 | 282 | S24 and ((initial or predeterm\$6) adj2 (coil or winding or phase)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 15:47 |
| S26 | 193 | "1" and ((initial or predeterm\$6) adj2 (coil or winding or phase)) with ((next or subsequent) adj phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 16:26 |
| S27 | 96 | S26 and start\$8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 16:27 |
| S28 | 3 | S27 and ((sens\$3 or detect\$6 or monitor\$3) near6 ((back adj emf) or bemf or (counter adj emf) or cemf)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 17:50 |
| S29 | 2 | "5397972".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 17:50 |

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|-----|---|--------------------------------|---|----|----|------------------|
| S30 | 2 | S29 and (phase near2 shift\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2006/05/10 17:50 |
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